NC/QC/YPD-BC/2018-19/GL-C1 Date: 18-03-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to Roads and Drains at J P Colony layout and Kenchenahalli Prakruthi Badavane in ward no-02 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.B.Ramesh, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	168 min	Shall not be less than 30 min
2	Final setting time	279 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.19 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.02 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.41 N/Sq mm	Shall not be less than 27 N/Sqmm

KIRAN. R
M.E, (Civil-Engg)

AE-02

AE-02

Page No. 1/1.

For Newzen Consultants Bangalore

Proprietor

NC/QC/YPD-BC/2018-19/GL-FA1 Date: 25-03-2019

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: Improvements to Roads and Drains at J P Colony layout and Kenchenahalli Prakruthi Badavane in ward no-02 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.B.Ramesh, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.35**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.80**	60-95	75-100	85-100	
01.18	**69.15**	30-70	55-90	75-100	
600. mic	**36.90**	15.34	35-59	60-79	
300.mic	**19.20**	5-20	8-30	12-40	
150.mic	**7.05**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**18.91 %**	-----
2	Silt Content	----	**0.59 %**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

KIRAN. R
M.E. (Civil-Engg)

AE-2

Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor

Date: 13-06-2019

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.91 %	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	28.48 %	Not more than 35.0 %
3.	Water absorption, %	0.38 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

AE-2

KIRAN. P
M.E. (Civil)

AE-02

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com